

AMENDMENTS TO THE SPECIFICATION

Abstract: Pursuant to 37 C.F.R. § 1.121, please replace the Abstract as follows:

~~An apparatus including an expandable body having dimensions suitable for percutaneous delivery; at least one delivery cannula having a lumen therethrough coupled to an exterior portion of the expandable body; a needle disposed in the lumen of the at least one delivery cannula, the needle including a body portion having a protuberance thereon and a delivery end distal to the protuberance; a stop disposed in the lumen of the at least one delivery cannula at a position distal to the protuberance on the needle, the stop defining a diameter of the lumen less than an outer diameter of the needle at the protuberance. A method including positioning a catheter assembly including at least one needle delivery device disposed in an at least one delivery cannula, the at least one delivery cannula having an exit end; modifying the shape of the catheter assembly to modify the orientation of the exit end of the at least one delivery cannula at a region of interest; and advancing the at least one needle delivery device beyond the exit end of the at least one delivery cannula according to a controlled orientation of the at least one delivery device within the at least one delivery cannula.~~

Methods and apparatus for delivering a treatment agent through a percutaneous delivery apparatus are herein disclosed. In some embodiments, an apparatus can include an expandable body with at least one delivery cannula having a lumen therethrough coupled to an exterior portion of the expandable body. The expandable body can be coupled to a delivery assembly with a hub. The delivery cannula can house at least one needle with a protuberance on a distal end. A portion of the hub can house at least one needle with a protuberance on a proximal end. In some embodiments, the protuberance (proximal or distal) can direct the orientation of the needle during an application of treatment agent. In some embodiments, the delivery cannula can include at least one stop for controlling the movement of the needle during an application of treatment agent. In some embodiments, a sheath can be disposed around the delivery cannula.

AMENDMENTS TO THE SPECIFICATION

Title: Pursuant to 37 C.F.R. § 1.121, please replace the Title as follows:

~~NEEDLE CATHETER~~

MODIFIED NEEDLE CATHETER FOR DIRECTIONAL ORIENTATION DELIVERY